

Project Title

2 Bin System in Jurong Medical Centre

Project Lead and Members

Project lead: Terry Teo

Project members: Lim Meng Keong, Steven Tan

Organisation(s) Involved

Jurong Medical Centre

Aims

To reduce the dependency of manual labor and time spent on stock replenishment.

To have no stock out and reduce over stocking situations

Background

See poster appended/ below

Methods

See poster appended/ below

Results

See poster appended/ below

Lessons Learnt

Implementing the 2-bin system will eliminate manual counting and increase productivity on replenishing stock. A yearly review of the item PAR level is needed to maintain the inventory at a healthy level

Conclusion

See poster appended/ below

Project Category

Care & Process Redesign

Keywords

Jurong Medical Centre, Job Effectiveness, 5 Whys, 2-Bin System, Inventory Management

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2 BIN SYSTEM IN JURONG MEDICAL CENTRE

MEMBERS: LIM MENG KEONG, TERRY TEO, STEVEN TAN
MATERIAL MANAGEMENT DEPARTMENT, LOGISTICS

- SAFETY
- PRODUCTIVITY
- PATIENT EXPERIENCE
- QUALITY
- VALUE

Problem/Aim

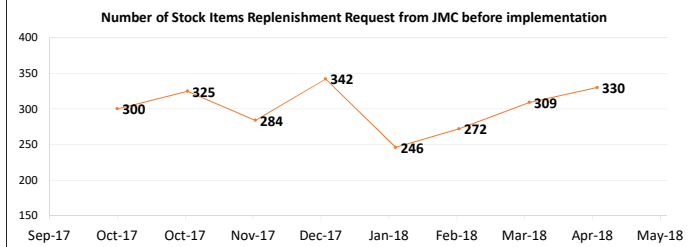
Opportunity for Improvement
Between 2008 to April 2018, JMC requires a total of 11 hrs per week for stock replenishment which is mostly manual and there were 3 to 4 stock out situations per month.

Background
At JMC, there were no established par level, staff were using his own experience and manual counting to order stock. This result in over stocking of some items and some items experience stock out situations.

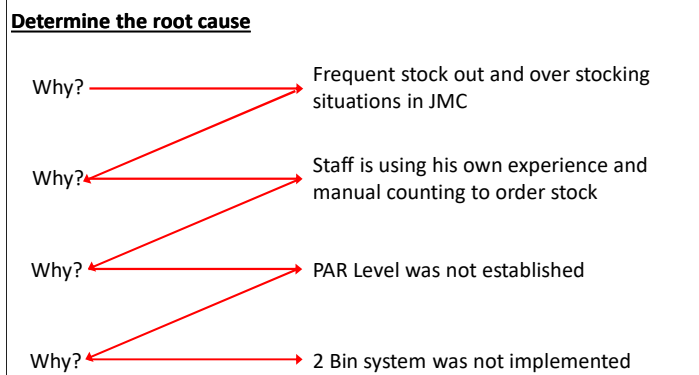
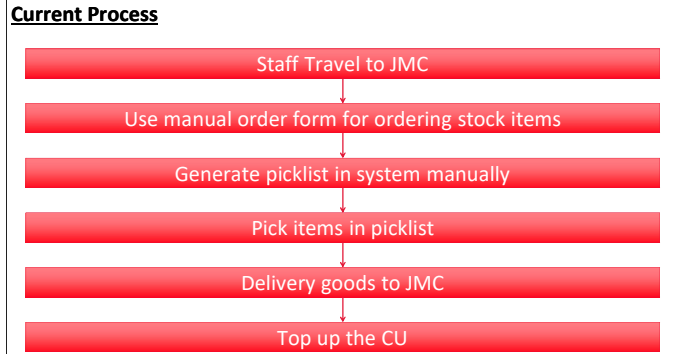
- Aim**
- To reduce the dependency of manual labor and time spent on stock replenishment
 - To have no stock out and reduce over stocking situations

Establish Measures

- Measures**
- Number of items that are stock out in JMC
 - Number of items requesting for replenishment before and after the implementation of a solution



Analyse Problem



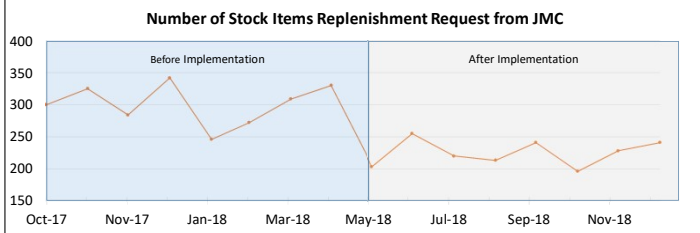
Select Changes

- Probable Solution**
- To implement the **2 bin System with 6S**
- PAR level was clearly indicated on the bins
 - RFID card is place clearly on the shelves or bins to facilitate scanning of the RFID cards
 - Pick me first sticker and arrow to tell staff which bin to pick first
 - Red dots paste at the sticker label to indicate slow moving items to prevent over stocking



Test & Implement Changes

- Results of Implementation**
- Zero stock out** situation since implementation
 - 45% reduction** on time spent on stock replenishment **from 11 hours reduce to 6 hours**
 - 30% reduction in number of items requesting for replenishment per month
 - Improved housekeeping



Spread Change/Learning Points

- Key learning points:**
- Implementation of 2 bin system eliminate manual counting and improve productivity on stock replenishment.
 - Yearly review of the item PAR level to maintain the inventory at a healthy level is required.